



Complete Summary

TITLE

Pediatric acute gastroenteritis: percentage of patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis who had weight measurement recorded.

SOURCE(S)

American Academy of Pediatrics, American Academy of Family Physicians, Physician Consortium for Performance Improvement®. Pediatric acute gastroenteritis physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2005 May. 7 p. [1 reference]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of pediatric acute gastroenteritis patients who had their weight measurement recorded.

RATIONALE

According to the American Academy of Pediatrics (AAP) and the U.S. Centers for Disease Control and Prevention (CDC), if an accurate recent weight is available, determination of the percentage of weight lost is an objective measure of dehydration.

As part of the physical examination, an accurate body weight must be obtained, along with temperature, heart rate respiratory rate and blood pressure. When

recent premorbid weight is unknown but a previous growth curve is available, an estimate of fluid loss can be obtained by subtracting current weight from expected weight as determined on the basis of the previous weight-for-age percentile.

Weight measurement enables the provider in determining the child's level of dehydration and in calculating the amount of oral rehydration therapy that is required.

PRIMARY CLINICAL COMPONENT

Pediatric acute gastroenteritis; weight measurement

DENOMINATOR DESCRIPTION

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis

NUMERATOR DESCRIPTION

All patients who had their weight measurement recorded

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Managing acute gastroenteritis among children: oral rehydration, maintenance, and nutritional therapy.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Use of this measure to improve performance

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Snyder JD. Use and misuse of oral therapy for diarrhea: comparison of US practices with American Academy of Pediatrics recommendations. Pediatrics 1991 Jan;87(1):28-33. [PubMed](#)

State of Use of the Measure

STATE OF USE

Pilot testing

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Emergency Medical Services
Hospitals
Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Advanced Practice Nurses
Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

TARGET POPULATION AGE

Age 1 month to 5 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories**IOM CARE NEED**

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure**CASE FINDING**

Users of care only

DESCRIPTION OF CASE FINDING

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS**Inclusions**

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis

Exclusions

None

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

All patients who had their weight measurement recorded

Exclusions

None

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Encounter or point in time

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties**EXTENT OF MEASURE TESTING**

Unspecified

Identifying Information**ORIGINAL TITLE**

Acute gastroenteritis: weight measurement.

MEASURE COLLECTION

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

MEASURE SET NAME

[Pediatric Acute Gastroenteritis Physician Performance Measurement Set](#)

SUBMITTER

American Medical Association on behalf of the American Academy of Pediatrics, the American Academy of Family Physicians, and the Physician Consortium for Performance Improvement®

DEVELOPER

American Academy of Family Physicians
American Academy of Pediatrics
Physician Consortium for Performance Improvement®

FUNDING SOURCE(S)

Unspecified

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FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2005 May

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

American Academy of Pediatrics, American Academy of Family Physicians, Physician Consortium for Performance Improvement®. Pediatric acute gastroenteritis physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2005 May. 7 p. [1 reference]

MEASURE AVAILABILITY

The individual measure, "Acute Gastroenteritis: Weight Measurement," is published in the "Clinical Performance Measures: Pediatric Acute Gastroenteritis." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: www.physicianconsortium.org.

For further information, please contact AMA staff by e-mail at cqi@ama-assn.org.

NQMC STATUS

This NQMC summary was completed by ECRI Institute on December 6, 2006. The information was verified by the measure developer on October 23, 2006.

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